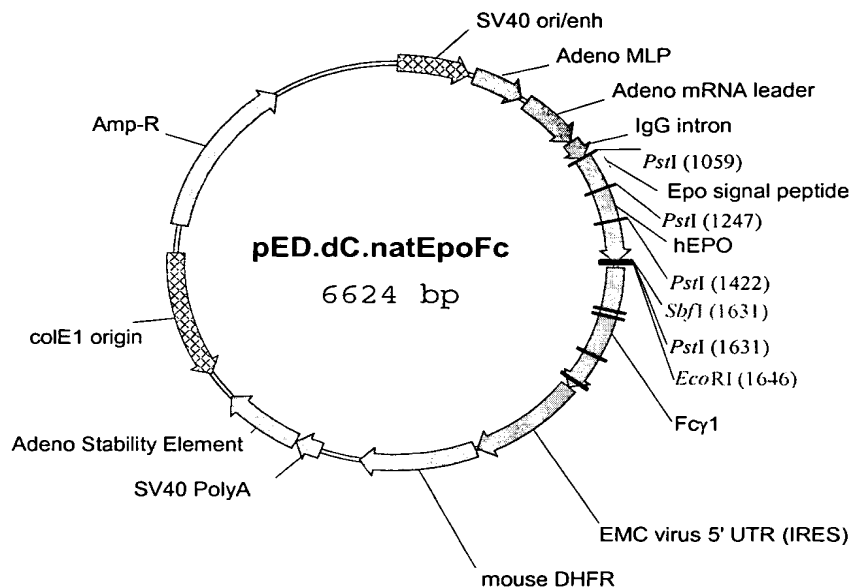




Figure 5

A



B

1
1054

EPO

M G V H E
ctgcaggcggagatgggggtgcacgaa
PstI

EPO

6 C P A W L W L L S L L S L P L G L P V
1081 tgtcctgcctggctgtggcttctcctgtccctgctgtcgctccctctgggcctccagtc

EPO

26 L G A P P R L I C D S R V L E R Y L L E
1141 ctgggcgccccaccacgcctcatctgtgacagccgagtcctggagaggtacctcttgag

EPO

46 A K E A E N I T T G C A E H C S L N E N
1201 gccaggaggccgagaatatcacgacgggctgtgctgaacactgcagcttgatgagaat
PstI

EPO

66 I T V P D T K V N F Y A W K R M E V G Q
1261 atcactgtcccagacaccaaagttaatttctatgcctggaagaggatggagggtcgggcag

EPO

86 Q A V E V W Q G L A L L S E A V L R G Q
1321 caggccgtagaagtctggcagggcctggccctgctgtcggaagctgtcctgcggggccag



EPO

~~~~~  
106 A L L V N S S Q P W E P L Q L H V D K A  
1381 gccctgttggtcaactcttccagccgtgggagccctgcagctgcatgtggataaagcc  
PstI

EPO

~~~~~  
126 V S G L R S L T T L L R A L G A Q K E A
1441 gtcagtggccttcgcagcctcaccactctgcttcgggctctgggagcccagaaggaagcc

EPO

~~~~~  
146 I S P P D A A S A A P L R T I T A D T F  
1501 atctccctccagatgcgccctcagctgctccactccgaacaatcactgctgacactttc

EPO

~~~~~  
166 R K L F R V Y S N F L R G K L K L Y T G
1561 cgcaaactcttccgagtctactccaatttctccggggaaagctgaagctgtacacaggg

EPO

Fcy1

~~~~~  
186 E A C R T G D R E F A G A A A V D K T H  
1621 gaggcctgcaggacaggggacagagaattcgccggcgccgctgcggtcgacaaaactcac  
SbfI/PstI EcoRI

Fcy1

~~~~~  
206 T C P P C P A P E L L G G P S V F L F P
1681 acatgcccaccgtgcccagcacctgaactcctgggggaccgtcagttcttcttcttcccc

Fcy1

~~~~~  
226 P K P K D T L M I S R T P E V T C V V V  
1741 ccaaaaccaaggacaccctcatgatctcccgaccctgaggtcacatgctggtggtg

Fcy1

~~~~~  
246 D V S H E D P E V K F N W Y V D G V E V
1801 gacgtgagccacgaagaccctgaggtcaagttcaactggtacgtggacggcgtggaggtg

Fcy1

~~~~~  
266 H N A K T K P R E E Q Y N S T Y R V V S  
1861 cataatgccaagacaaagccgcgaggagcagtacaacagcacgtaccgtgtggtcagc

Fcy1

~~~~~  
286 V L T V L H Q D W L N G K E Y K C K V S
1921 gtctctaccgtctctgcaccaggactggctgaatggcaaggagtacaagtgcagggtctcc

Fcy1

~~~~~  
306 N K A L P A P I E K T I S K A K G Q P R  
1981 acaaaagccctccagcccccatcgagaaaaccatctcaaagccaaaggcagccccga

Fcy1

~~~~~  
326 E P Q V Y T L P P S R D E L T K N Q V S
2041 gaaccacaggtgtacaccctgcccccatcccggtgagctgaccaagaaccaggtcagc



U.S. Patent Application Serial No.: 10/622,108
Applicants: Richard S. BLUMBERG et al.
Title: CENTRAL AIRWAY ADMINISTRATION
FOR SYSTEMIC DELIVERY OF
THERAPEUTICS
Filing Date: July 17, 2003
Attorney Docket No.: S1383.70011US00

Fcyl

~~~~~  
346 L T C L V K G F Y P S D I A V E W E S N  
2101 ctgacctgcctgggtcaaaggcttctatcccagcgacatcgccgtggagtgggagagcaat

Fcyl

~~~~~  
366 G Q P E N N Y K T T P P V L D S D G S F
2161 gggcagccggagaacaactacaagaccagcctcccgtgttgactccgacggctccttc

Fcyl

~~~~~  
386 F L Y S K L T V D K S R W Q Q G N V F S  
2221 ttctctacagcaagctcaccgtggacaagagcaggtggcagcaggggaacgtcttctca

Fcyl

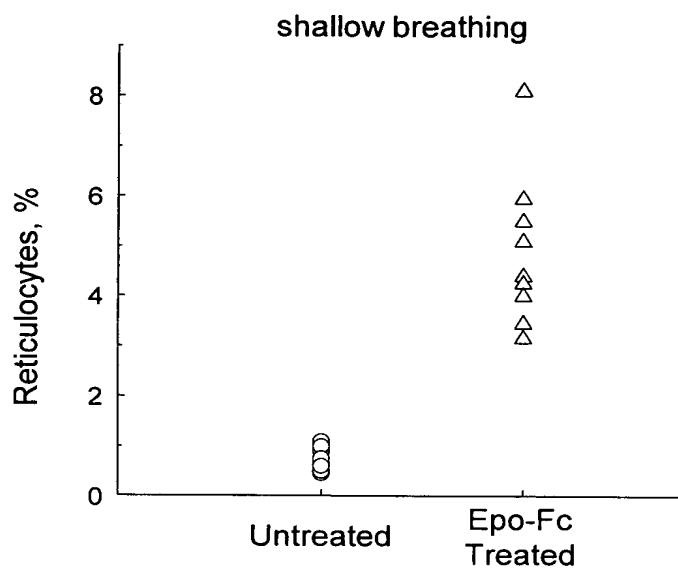
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406 C S V M H E A L H N H Y T Q K S L S L S
2281 tgctccgtgatgcatgaggctctgcacaaccactacacgcagaagagcctctccctgtct

Fcyl

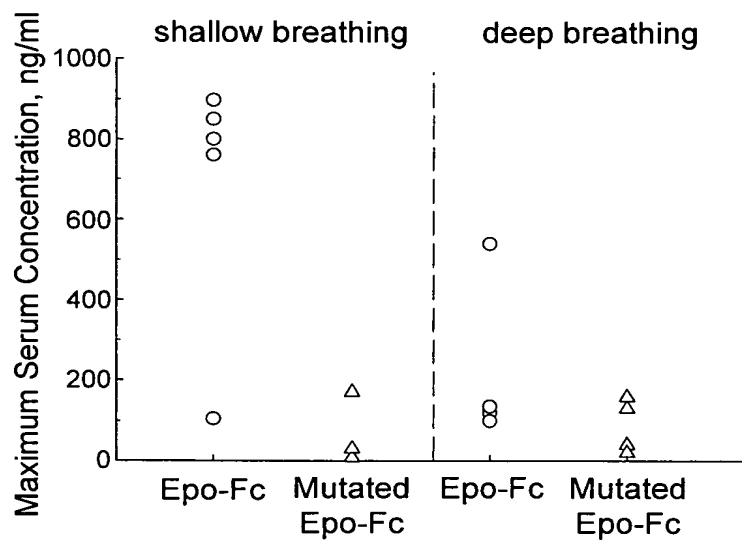
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426 P G K  
2341 ccgggtaaatga

(SEQ ID NO:10)  
(SEQ ID NO:9)



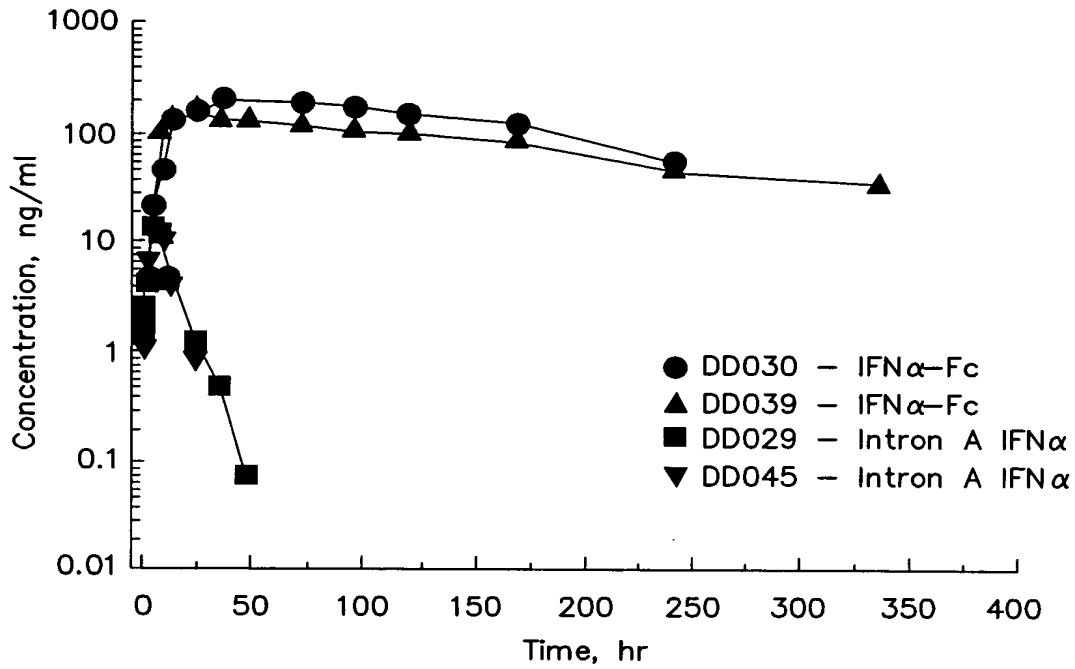


**FIG. 6A**

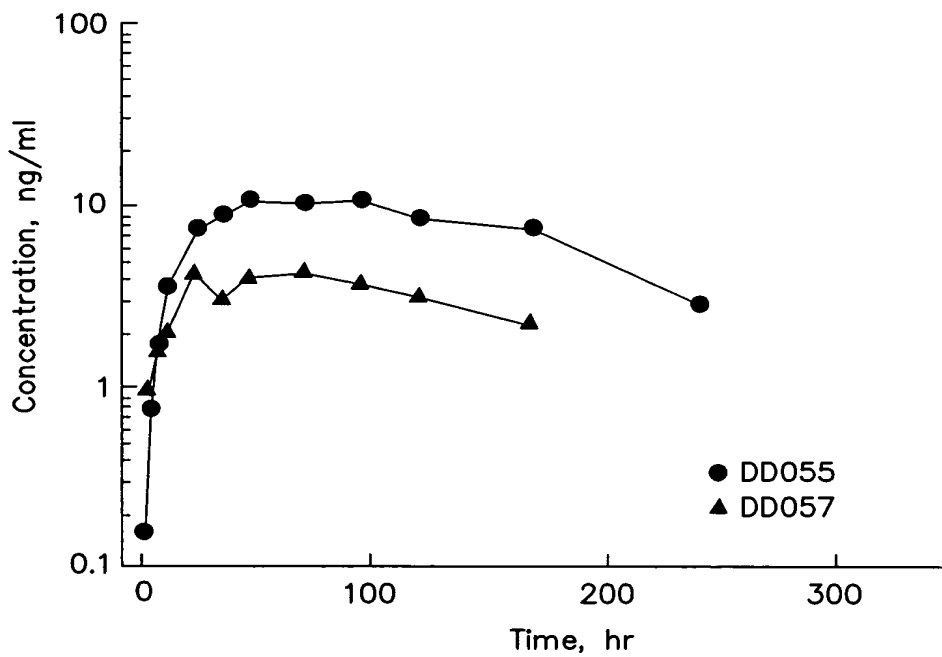


**FIG. 6B**



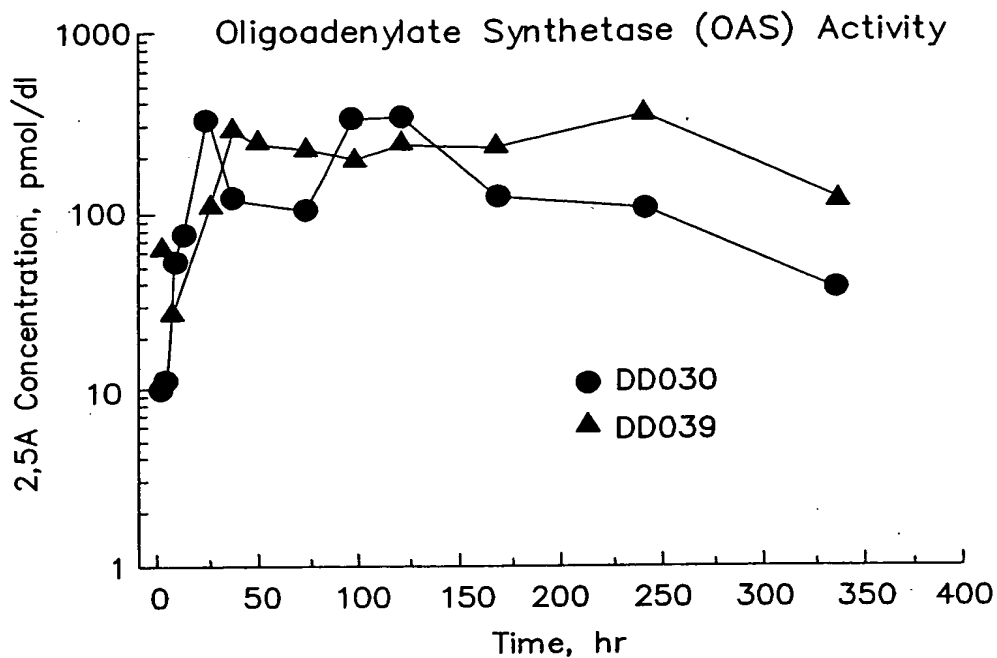


**FIG. 9**

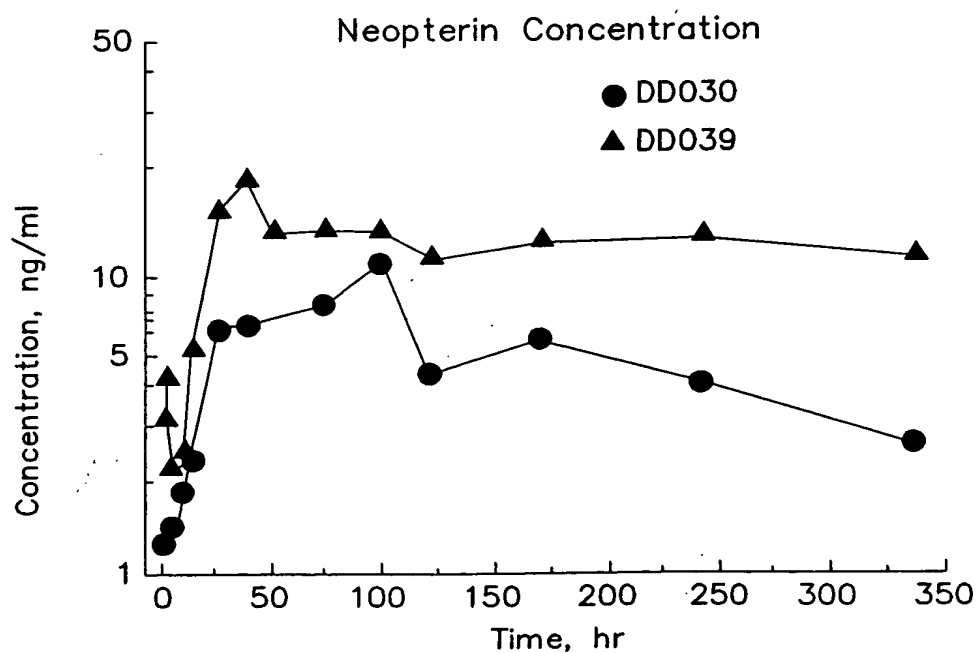


**FIG. 10**



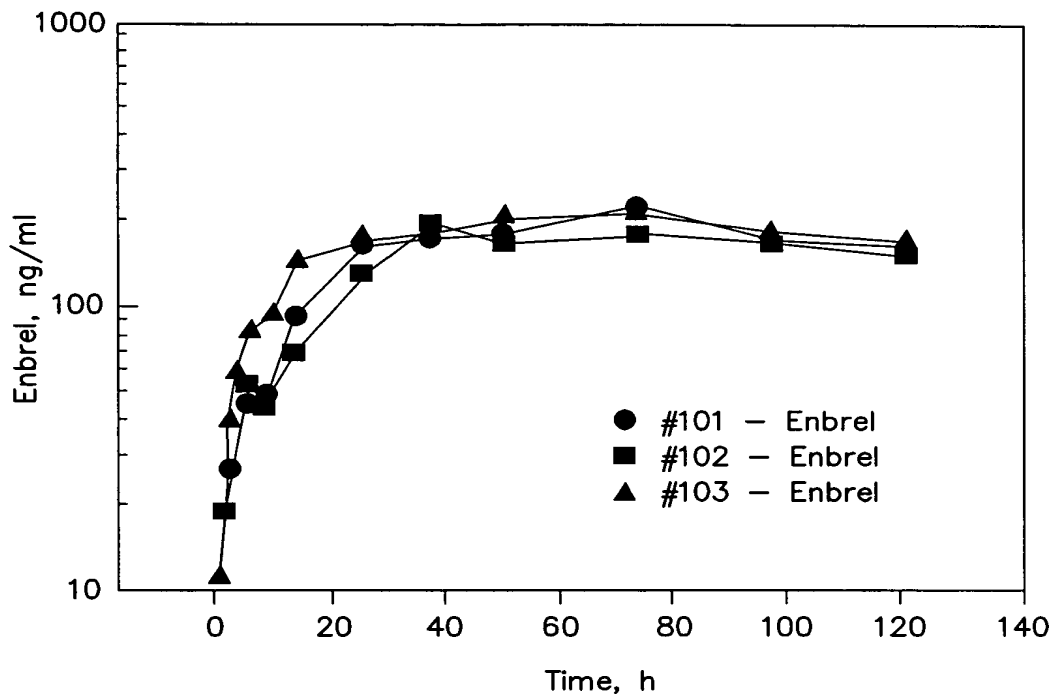


**FIG. 11A**



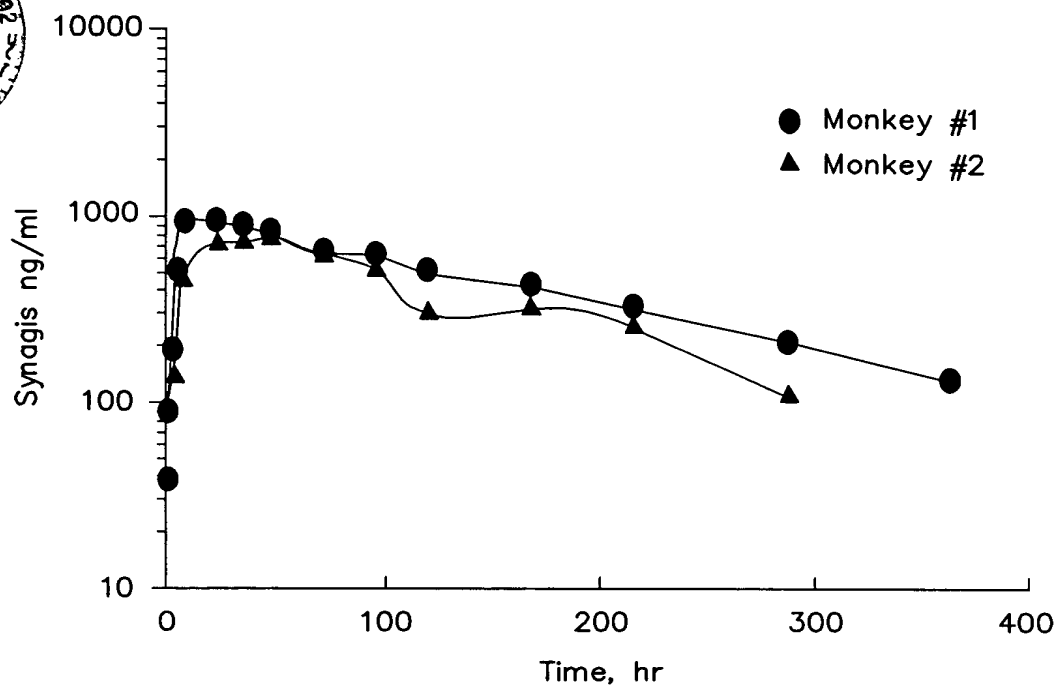
**FIG. 11B**



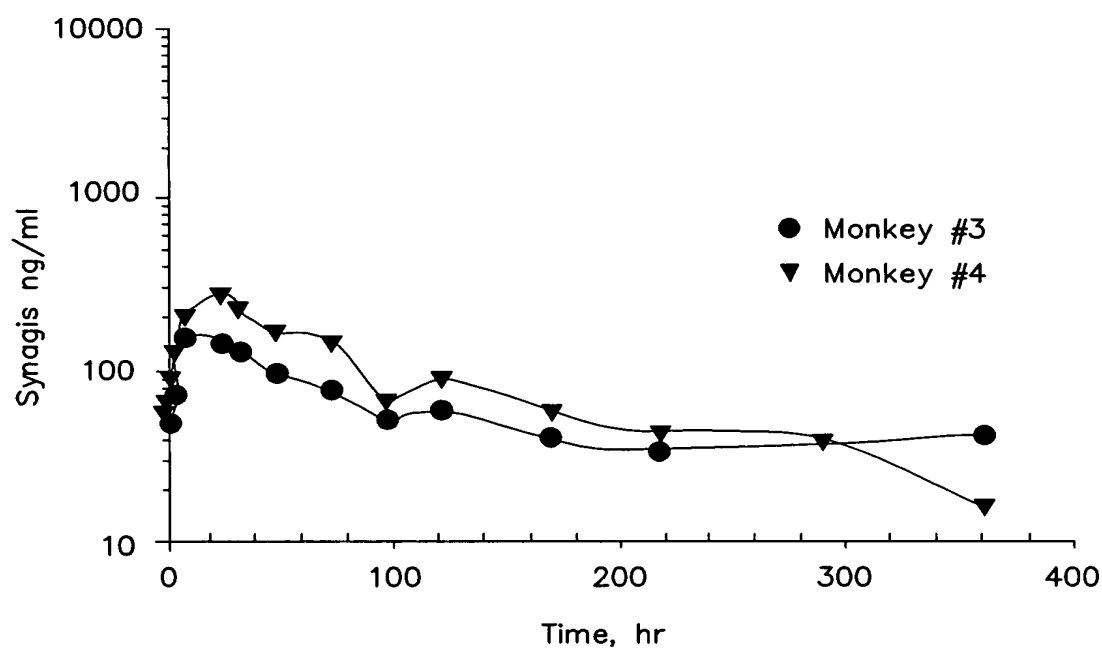


*FIG. 12*





**FIG. 13A**



**FIG. 13B**